

PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. TS276.CIP2.PCT.US	SERIAL NO.
LIST OF PRIOR ART CITED BY APPLICANT			APPLICANT Elwood G. Morris et al.	
			FILING DATE 09/17/04	GROUP

U.S. PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
XM	AA	1,616,639	Feb. 8, 1927	Sprague			
	AB	1,951,669	March 20, 1934	Ramsey			
	AC	2,461,344	Feb. 8, 1949	Olson			
	AD	3,012,222	Dec. 5, 1961	Hagemann			
	AE	3,398,810	Aug. 27, 1968	Clark III			
	AF	3,461,421	Aug. 12, 1969	Stover			
	AG	3,612,211	Oct. 12, 1971	Clark III			
	AH	3,613,069	Oct. 12, 1971	Cary, Jr. et al.			
↓	AI	3,710,332	Jan. 9, 1973	Tischner et al.			
	AJ	3,723,957	Mar. 27, 1973	Damon			
	AK	3,742,433	June 26, 1973	Kay et al.			
XM	AL	3,836,951	Sept. 17, 1974	Geren et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
XM	AM	60150399 A	Aug. 8, 1985	Japan			Yes
XM	AN	H2-265400	Oct. 30, 1990	Japan			Yes
XM	AO	WO99/35881	July 15, 1999	Japan			Yes
	AP						
	AQ						

## OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)

AR		THE AUDIO SPOTLIGHT: AN APPLICATION OF NONLINEAR INTERACTION OF SOUND WAVES TO A NEW TYPE OF LOUDSPEAKER DESIGN, Yooyama, et al. J. Acoustical Society of America 73(5), May 1983, Pages 1532-1536
AS		PARAMETRIC LOUDSPEAKER - CHARACTERISTICS OF ACOUSTIC FIELD AND SUITABLE MODULATION OF CARRIER ULTRASOUND, Kenichi Aoki, Tomoo Kamakura, Yoshiro Kumamoto, Electronics and Communications in Japan, Part 3, Vol. 74, No. 9, 1991, Pages 76-82
AT		ULTRASONIC RANGING SYSTEM by Polaroid

EXAMINER	/Xu Mei/	DATE CONSIDERED	01/03/2007
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. T5276.CIP2.PCT.US	SERIAL NO.
LIST OF PRIOR ART CITED BY APPLICANT		APPLICANT Elwood G. Norris et al.		
		FILING DATE 09/17/04	GROUP 2644	

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
XM	AA	4,005,278	Jan. 23, 1977	Görke			
	AB	4,207,571	Jun. 10, 1980	Passey			
	AC	4,245,136	Jan. 13, 1981	Krauel, Jr.			
	AD	4,378,596	Mar. 29, 1983	Clark			
	AE	4,418,248	Nov. 29, 1983	Mathis			
	AF	4,429,194	Jan. 31, 1984	Kamon et al.			
	AG	4,433,750	Feb. 28, 1984	Neese			
	AH	4,593,160	Jun. 3, 1986	Nakamura			
	AI	4,823,908	Apr. 25, 1989	Tanaka et al.			
↓	AJ	4,908,805	Mar. 13, 1990	Sprengels et al.			
	AK	4,991,148	Feb. 5, 1991	Gilchrist			
XM	AL	5,181,301	Jan. 26, 1993	Wheeler			

## FOREIGN PATENT DOCUMENTS

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	AM						
	AN						
	AO						
	AP						
	AQ						

## OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)

XM	AR	EXCERPTS FROM ON COMBINATION TONES, Helmholtz, Editor's Comments on Paper 16, Pages 228-238
XM	AS	PARAMETRIC ACOUSTIC NONDIRECTIONAL RADIATOR, Makarov, et al., Acustica, Vol. 77 (1992), Pages 240-242
XM	AT	PARAMETRIC ACOUSTIC ARRAY, Westervelt, P.J., The Journal of the Acoustical Society of America, Vol. 35, No. 4, Pages 535-537

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U.S. PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
XM	AA	5,317,543	May 31, 1994	Grosch			
XM	AB	5,357,578	Oct. 18, 1994	Taniishi			
XM	AC	5,844,998	Dec. 1, 1998	Nagano			
XM	AD	6,359,990	Mar. 19, 2002	Norris			
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
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	AN						
	AO						
	AP						
	AQ						

## OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)

AR		ARRAYS OF PARAMETRIC RECEIVING ARRAYS , H. O. Berkay and T.G. Muir , Applied Research Laboratories, The University of Texas at Austin, Austin, Texas, November 9, 1972, The Journal of the Acoustical Society of America pp. 1377-1383
AS		
AT		

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